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(56) Documents Cited

**CA 002202097 A**

**DE 029807904 U**

**US 5682617 A**

**DE 029812328 U**

**FR 002510885 A**

**ZA 009307892 A**

(58) Field of Search

**INT CL<sup>7</sup> A41B 11/00 , A61F 13/06 13/08**

**ONLINE: EPODOC, WPI, JAPIO**

(54) Abstract Title

**Medi-Disposasock**

(57) A disposable sock made of natural latex is described. It is used to protect the feet following application of a medicated cream for the treatment of skin complaints such as hyperkeratosis. The socks may be dispensed from a box in the same way as disposable surgical gloves.

**GB 2 366 731 A**

Medi-  
D.I.S.P.O.S.A.S.O.C.K.

A NEW MEDICAL PRODUCT TO HELP  
SUFFERERS OF HYPERKERATOSIS AND OR  
OTHER SKIN DISORDERS, E.G. PSORIASIS

AIM

Disposasock is a new product and designed to help those who suffer from Dermatology problems. Specifically for those who suffer from and in particular Hyperkeratosis.

This is the Business Draft Plan and Design.

01 Psoriatic-Arthritis/Psoriasis.

\* 2. HYPERKERATOSIS

Keratoses A skin growth caused by an overproduction of keratin the tough protein that is the major component of the outer layer of skin.

\* The major aim and reason for production of our product.

Types

## SEBORRHOEIC KERATOSES

Often called Seborrheic Warts, these range

from flat, dark brown, rough patches to small

wart like protrusions and are covered with a

greasy, removable crust. Seborrheic

Keratosis occur mainly on the trunk. They are

completely harmless but can be unsightly.

## SOLAR KERATOSES

Small wart like red or flesh coloured growths

that appear on exposed parts of the body as a

result of overexposure to the sun over a period

of years. Solar Keratosis may rarely develop

into skin cancer usually squamous cell

Carcinoma.

## Treatment

Seborrhoeic Keratoses require no treatment unless they are large and unsightly. Solar Keratoses must always be removed because of the risk of skin cancer.

## Disposasock

Our foot wear can be used to treat Hyperkeratosis of the skin on the foot, front, back and heels.

It is of great benefit to the patient who has been immobilised because of this specific problem, who would normally be otherwise able to walk.

and / or

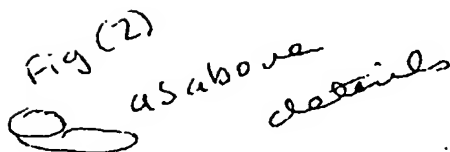
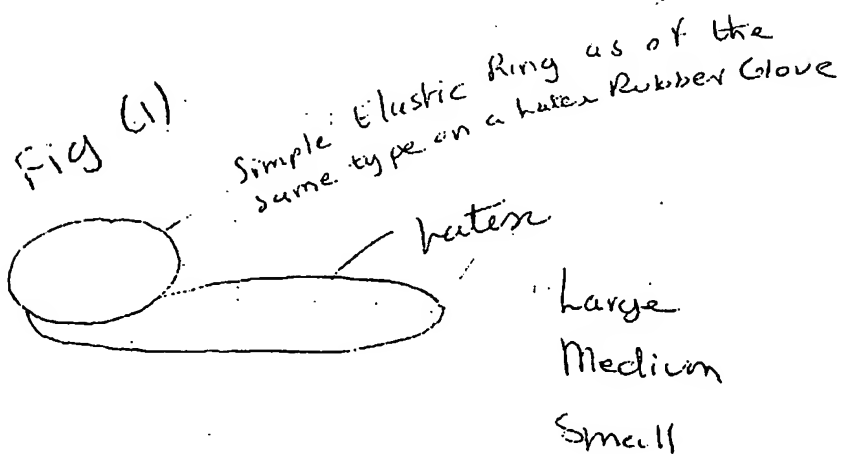
03 Other Uses a Dermatologist can think that the use of Disposasock would be useful for.

Disposasock is made of latex and is an ankle sock made of rubber with an elastic fitting on the top of the entrance to the sock which you use to pull up your feet.

## OBJECTS

- 01 The object of Disposasock is to treat a patient who has very bad hyperkeratosis of the feet and / or other areas of the foot.
- 02 To use Disposasock a prescription of emollients should be prescribed for use of up to 20 times per day.
- 03 The patient wears disposable latex examination gloves or equivalent and applies emulsifying agents to their feet. They remove a disposable latex examination glove and pull out a Disposasock and pull it up over their feet like they would do an ordinary sock.
- 04 The patient should span out time to do this according to their lifestyle.
- 05 At night time, a NSAID or Steroid Ointment/Gel/Cream whichever applicable should be used in a similar manner under occlusion at night.
- 06 To avoid infection Disposasock should be regularly removed and replaced with a new Disposasock.
- 07 Disposasock should be sold in boxes of 400 so that a sock can be used on right and left foot. 400 would suffice for a prescription to use for 20 times per day and including two for sets through the night. 1 box would constitute 1 weeks supply. 4 boxes would constitute 28 days supply just short of a month.

- 08 Disposasock should come in Large Size  
 Disposasock should come in Medium ""  
 Disposasock should come in Small Size  
 Disposasock should come in a Child's  
 All in One Size.
- 09 Disposasock should be priced at £8 per  
 box distribution of 100 of all sizes.
- 10 Disposasock should be available on pres-  
 cription or from hospital pharmacies, other  
 approved outlets so members of the  
 public can acquire them without  
 prescription.



One Size fit  
 for children

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## AREA

The Area Disposasock should be marketed  
and sold in should be WORLD WIDE

Disposasock should be legally marketed  
under the following and/or any other  
requirements as appropriate legislation  
whether World Wide, European or Specific  
Legalties require.

Disposasock should conform to EN455 Parts 1  
and 2.

Disposasock should be sampled and tested in  
accordance with ISO 2859.

Disposasock protein content - should be below  
0.5mg/g FOOT TESTED by the Modified  
Lowry Microassay

Disposasock should be non - chlorinated

Disposasock should conform to the water tight  
test value of AQL 1.5

It should be noted latex is a natural material  
and is adversely affected by certain chemicals.

00 00 00

Please refer to your in house technical data to ensure safe exposure periods are not exceeded.

Latex is a renewable source of material.

Disposasock should also be ascripted with a LOT number and appropriate Bar Code Number.

The address of the Agents who Market Disposasock should be available for consumers to see on the box.

Who Disposasock is manufactured by, their address and their telephone and fax numbers.

Disposasock will conform to all or any legal specifications of the country it is marketed and sold in.



## **BENEFIT**

The Medical profession around the world will enjoy the use of benefit of Disposasock prescribing for their patients.

Disposasock will also help and assist the Medical profession financially because it will cut down the cost and provision of other treatment for same condition such as

P.U.V.A. Light Thereapy and or Other Methods of Treatment.

Disposasock will also be a short or long term treatment.

Disposasock will help your patient and whereas they may have been restricted with mobility they will be able to wear Disposasock quite safely and walk in Disposasock whilst using their ordinary footwear.

Disposasock will also help your patient live a normal daily lifestyle and Disposasock if worn whilst treatment is taking place at night, will prevent fissures bleeding involuntary due to being cut open whilst patients turn in bed therefore avoiding stains to bedding.

## CLAIMS

1. Medi-disposasock comprising of a rubber latex or plastic see through sock which has prescribed medication applied to the area that medi-disposasock is worn on. The medication prescribed could be emulsifying BP ointment, and other medically prescribed drugs.



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Examiner: Susan Chalmers  
(Mrs)

Claims searched: 1

Date of search: 11 December 2000

## Patents Act 1977 Search Report under Section 17

### Databases searched:

UK Patent Office collections, including GB, EP, WO & US patent specifications, in:

UK Cl (Ed.R): -

Int Cl (Ed.7): A41B: 11/00; A61F: 13/06, 13/08

Other: ONLINE: EPODOC, WPI, JAPIO

### Documents considered to be relevant:

Category	Identity of document and relevant passage	Relevant to claims
X	US 5682617 (TUMAS) see whole document especially Figures 4 and 7, column 1 line 61 to column 2 line 57 and column 4 lines 19-21	1
X	CA 2202097 (RAKO) see especially the Figures and Description	1
X	FR 2510885 (CHAINED) see especially sock 7 in Figure 2, page 3 lines 16-20 & WPI Abstract Acc No 1983-27881K	1
X	DE 29812328 U (LUNDKVIST) see whole document especially Figures & WPI Abstract Acc No 1998-497521	1
X	DE 29807904 U (SANTURA) see whole document especially the Figure & WPI Abstract Acc No 1998-415608	1
X	ZA 9307892 (ERASMUS) see WPI Abstract Acc No 1994-324880	1

X	Document indicating lack of novelty or inventive step	A	Document indicating technological background and/or state of the art
Y	Document indicating lack of inventive step if combined with one or more other documents of same category.	P	Document published on or after the declared priority date but before the filing date of this invention.
&	Member of the same patent family	E	Patent document published on or after, but with priority date earlier than, the filing date of this application.